

## CURRENT POSITION

### **GHOL - Hospital Nyon**

Physician, Internal Medicine

**Switzerland**

*Since 2020*

## EDUCATION

### **University of Geneva**

Bachelor & Master of Medicine

**Switzerland**

*2013-2020*

### **Lycée International de Ferney-Voltaire**

Baccalauréat scientifique à Option Internationale (19,5/20)

**France**

*2010-2013*

German Abitur (1,0 in system of 1-best to 6-worst)

## PAST WORK EXPERIENCE

### **Project leader**

*Vlynt*, Distributed content delivery network

**Geneva, Switzerland**

*2016-2019*

### **Teacher of physics, chemistry, biology, physiology and anatomy**

*Med Prep*

**Geneva, Switzerland**

*2014-2017*

### **Research and teaching assistant, Anatomy department**

**Geneva University, Switzerland**

*2016*

## DISTINCTIONS

### **Best Poster Award**, Innovation centre, HUG

**Geneva, Switzerland**

*2019*

### **Finalist**, START contest

**Lausanne, Switzerland**

*2017*

### **Prize on the internship in general medicine**, Faculty of Medicine

**Geneva University, Switzerland**

*2015*

### **Gold medallist**, French national *Geoscience Olympics*

**France**

*2012*

## EXTRA-CURRICULAR INTERNSHIPS

### **General surgery and traumatology**

*Marienkrankenhaus*

**Cochem, Germany**

*October-December 2018*

### **Research program for medical students**

*Lee Lab, Eaton-Peabody Laboratories, Massachusetts Eye & Ear Infirmary*

**Harvard University, USA**

*2016&2017*

### **External consultant**, Division for foreign economic policy

*Federal Foreign Office*

**Berlin, Germany**

*October-December 2016*

### **Research program for medical students**

*Laboratory for neurology and imaging of cognition*

**Geneva University, Switzerland**

*July-August 2015*

### **General surgery and anaesthesiology**, 4-week internships

*Marienkrankenhaus*

**Cochem, Germany**

*2012&2014*

### **Conseil Européen de Recherche Nucléaire**, 2-week internship

**Meyrin, Switzerland**

*2010*

## OTHER POSITIONS

**Student delegate in the commission for professorial nominations**

Faculty of Medicine

**Geneva University, Switzerland**

*Since 2015*

**Co-founder of Medyas.ch**

**Geneva, Switzerland**

*Since 2016*

## PROJECTS

Construction of a platform for **outpatient-hospital communication**

*PHI*

**Geneva, Switzerland**

*Since 2018*

**Machine learning** in the prediction of the fate of the ischemic penumbra after stroke *Carrera Lab, HUG and MIP Lab, EPFL*

**Geneva, Switzerland**

*Since 2017*

Study on **infection prevention and control** in the Bolivian Altiplano

Professor Didier Pittet and Professor Benedetta Allegranzi

*(WHO & Faculty of Medicine, University of Geneva)*

**Bolivia**

*2016*

## COMMUNITY INVOLVMENT

**Blood donation campaigns** (Geneva University)

**HIV awareness campaign** (Lycée International de Ferney-Voltaire)

## SKILLS

*Languages:* German (native), French (native), English (fluent, C1), Spanish (B1)

*Computer languages:* Javascript, Python, R, Java, Bash Shell Scripting, Matlab, HTML5, CSS

*Development skills:* Machine Learning, devops, browser and network technologies, project management

INTERESTS: guitar, mathematics, international politics, rock-climbing, backcountry skiing, art and theatre enthusiast

## PUBLICATIONS

**Julian Klug**, Elisabeth Dirren, Giulia Preti, Paolo Machi, Andreas Kleinschmidt, Isabel M. Vargas, Dimitri Van De Ville, Emmanuel Carrera. Integrating regional perfusion CT information to improve prediction of infarction after stroke: *Journal of Cerebral Blood Flow & Metabolism*. June 2020.

Indrit Bègue, Rebekah Blakemore, **Julian Klug**, Yann Cojan, Silvio Galli, Alexandre Berneye, Selma Aybek, Patrik Vuilleumier. Metacognition of visuomotor decisions in conversion disorder. *Neuropsychologia*, Volume 114, June 2018.

Vivek V. Kanumuri, Osama Tarabichi, **Julian Klug**, Nicolas Vachicouras, Maria J. Duarte, Elliott D. Kozin, Stéphanie P. Lacour, M. Christian Brown, Daniel J. Lee. Three-dimensional Surface Reconstruction of the Human Cochlear Nucleus: Implications for the ABI. *Otolaryngology–Head and Neck Surgery*, February 2018.

## CONFERENCE PROCEEDINGS

**Julian Klug**, Guillaume Leclerc, Elisabeth Dirren, Maria Giulia Preti, Dimitri Van De Ville and Emmanuel Carrera. Bayesian Skip Net: Building on Prior Information for the Prediction and Segmentation of Stroke Lesions. Peer-reviewed paper and talk presented at Brain Lesion MICCAI, October 2020.

Vivek V. Kanumuri, **Julian Klug**, Osama Tarabichi, Samuel Barber, Marybeth E. Cunnane, M. Christian Brown, Aaron Remenschneider, Elliott D. Kozin, Daniel J. Lee. Diffusion Tensor Imaging in Candidates for the Auditory Brainstem Implant. Poster presented at *ARO 40th MidWinter Meeting*, February 2017, Baltimore, USA.

**Julian Klug**, Elisabeth Dirren, Giulia Preti, Paolo Machi, Andreas Kleinschmidt, Isabel M. Vargas, Dimitri Van De Ville, Emmanuel Carrera. Integrating regional perfusion CT information to multiparametric models improves prediction of infarction after stroke. *CIBM 15th Anniversary Event*, October 2019.

## PEER REVIEWS

Stroke: A Journal of Cerebral Circulation

Theranostics